

## JAPANESE PATENT OFFICE

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## (54) CONTROL DEVICE OF INTERNAL **COMBUSTION ENGINE**

(57) Abstract:

PURPOSE: To reduce deceleration shock caused by carrying out inhibition of fuel injection at the time of deceleration.

CONSTITUTION: Fuel is injected into a combustion chamber 4 at a last phase in compressive stroke when an engine is operated in low load condition, and it is stratified burnt. A fuel injecting time is calculated on the basis of the opening degree of a throttle valve 23 and an engine speed at the time of stratified burning, and on the other hand, it is calculated on the basis of an intake air amount and the engine speed at the time of uniform burning. When condition in which fuel injection is inhibited at the time of deceleration is set up at the time of uniform burning (the throttle valve 23 is fully opened and the engine speed is a prescribed speed or more), it is converted into stratified burning, and also fuel injection is inhibited after the fuel injecting time is

reduced gradually.

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